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PATENT

Attorney Docket No.: A-66038-1/RMS/JJD/DLR

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

FERRICK et al.

Serial No. 09/963,247

Filed: September 25, 2001

For: Methods and Compositions for
Screening for Modulators and IgE
Synthesis, Secretion and Switch
Rearrangement

Examiner: UNKNOWN

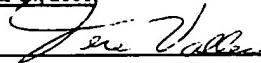
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO-1449. Since copies of these references were provided either by the Applicants or the Examiner in United States Serial No. 09/076,624, filed May 12, 1998, upon which the instant application relies for its priority date, in accordance with 37 C.F.R. § 1.98(d), no copies of these references are enclosed with this document.

None of the foregoing references is believed to disclose the invention as claimed. Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes

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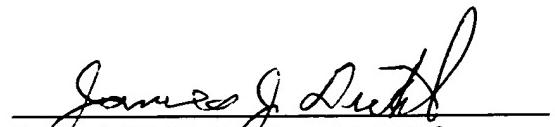
prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

As far as is known to the undersigned, this Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national state in an international application, or before the mailing date of a first Office Action on the merits as set forth in 37 C.F.R. § 1.97(b), and therefore no fee is required. Although no fee is currently believed to be due, the Commissioner is authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 06-1300 (Our Order No. A-66038-1/RMS/JJD/DLR).

Respectfully submitted,

FLEHR HOHBACH TEST
ALBRITTON & HERBERT LLP

Dated: Dec. 14, 2001



James J. Diehl, Reg. No. 42,527 for
Robin M. Silva, Reg. No. 38,304

Four Embarcadero Center
Suite 3400
San Francisco, CA 94111-4187
Telephone: (415) 781-1989

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Sheet 1 of 5

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Application Number	09/963,247
Filing Date	September 25, 2001
First Named Inventor	Ferrick, David A.
Group Art Unit	1646
Examiner Name	
Attorney Docket Number	A-66038-1/RMS/JJD/DLR

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	ADAM, et al., "Signal Transduction through a Bimolecular Receptor Tyrosine Protein Kinase Composed of a Platelet-derived Growth Factor Receptor-CD4 Chimera and the Nonreceptor Tyrosine Protein Kinase Lck," <i>J Biol Chem.</i> , 268(26):19882-19888 (1993)	
	C2	ALBRECHT, B., et al., "A bifunctional control element in the human IgE germline promoter involved in repression and IL-4 activation," <i>Int. Immunol.</i> 1994 Aug;6(8):1143-51	
	C3	ALLGOOD, et al., "Chimeric Receptors as Gene Switches," <i>Curr Opin Biotechnol.</i> , 8(4):474-479 (1997)	
	C4	AMARA, et al., "A Versatile Synthetic Dimerizer for the Regulation of Protein-Protein Interactions," <i>Proc Natl Acad Sci U S A</i> , 94(20):10618-10623 (1997)	
	C5	ANDERS, et al., "Chimeric Granulocyte/Macrophage Colony-stimulating Factor/Transforming Growth Factor-β (TGF-β) Receptors Define a Model System for Investigating the Role of Homomeric and Heteromeric Receptors in TGF-β Signaling," <i>J Biol Chem.</i> , 271(36):21758-21766 (1996)	
	C6	BAZZONI, et al., "Chimeric Tumor Necrosis Factor Receptors with Constitutive Signaling Activity," <i>Proc Natl Acad Sci U S A</i> , 92(12):5380 (1995)	
	C7	CHEN, et al., "Potentiation of Cytochrome P450/Cyclophosphamide-Based Cancer Gene Therapy By Coexpression of the P450 Reductase Gene," <i>Cancer Res.</i> , 57(21):4830-4837 (Nov 1 1997)	
	C8	CLAASSEN et al., "Mechanism of pokeweed mitogen inhibition of rhIL-4-induced human IgE synthesis," <i>Cell Immunol.</i> 140(2):357-69 (Apr 1992)	
	C9	CORMACK et al., "FACS-optimized mutants of the green fluorescent protein (GFP)," <i>Gene</i> 173:33-38 (1996)	
	C10	DECLERCQ, et al., "Dimerization of Chimeric Erythropoietin/75 kDa Tumour Necrosis Factor (TNF) Receptors Transduces TNF Signals: Necessity for the 75 kDa-TNF Receptor Transmembrane Domain," <i>Cytokine</i> , 7(7):701-709 (1995)	
	C11	DESAI, et al., "Ligand-Mediated Negative regulation of a Chimeric Transmembrane Receptor Tyrosine Phosphatase," <i>Cell</i> , 73(3):541-554 (1993)	
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	C13	FERLIN, W. et al., "CD40 Signaling Induces Interleukin-4-Independent IgE Switching In Vivo," <i>Eur. J. Immunol.</i> , 26:2911-2915 (1996)	
	C14	FIERING, et al., "Single Cell Assay of a Transcription Factor Reveals a Threshold in Transcription Activated By Signals Emanating From the T-Cell Antigen Receptor," <i>Genes Dev.</i> , 4:1823-1834 (Oct 1990)	
	C15	GAUCHAT JF, et al., "Regulation of human IgE synthesis: the role of CD4+ and CD8+ T-cells and the inhibitory effects of interferon-alpha," <i>Eur Respir J Suppl.</i> 13:31s-38s (Apr 1991)	
	C16	GAUCHAT et al., "Regulation of germ-line epsilon transcription and induction of epsilon switching in cloned EBV-transformed and malignant human B cell lines by cytokines and CD4+ T cells," <i>J Immunol.</i> 148(7):2291-9 (Apr 1992)	

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September 25, 2001

First Named Inventor

Ferrick, David A.

Group Art Unit

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Attorney Docket Number

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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	C17	GAUCHAT et al., "Structure and expression of germline epsilon transcripts in human B cells induced by interleukin 4 to switch to IgE production," <i>J Exp Med</i> 172(2):463-473 (Aug 1990)	
	C18	GAUCHAT, J.F. et al., "Modulation of IL-4 Induced Germline ϵ RNA Syntheses in Human B Cells by Tumor Necrosis Factor- α , anti-CD40 Monoclonal Antibodies or Transforming Growth Factor- β Correlates with Levels of IgE Production," <i>International Immunology</i> , 4(3):397-406 (1992)	
	C19	GERONDAKIS S., "Structure and expression of murine germ-line immunoglobulin epsilon heavy chain transcripts induced by interleukin 4," <i>Proc Natl Acad Sci U S A</i> , 87(4):1581-5 (Feb 1990)	
	C20	GONZALEZ-CUADRADO, et al., "Agonistic anti-Fas Antibodies Induce Glomerular Cell Apoptosis in Mice <i>In Vivo</i> ," <i>Kidney Int</i> 51(6):1739-1746 (June 1997)	
	C21	HARPER et al., "The p21 Cdk-Interacting Protein Cip 1 is a Potent Inhibitor of G1 Cyclin-Dependent Kinases," <i>Cell</i> , 75:805-816, (November 19, 1993)	
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	C23	ICHIKI, T., et al., "Regulation of the expression of human C epsilon germline transcript. Identification of a novel IL-4 responsive element." <i>J. Immunol.</i> 1993 Jun 15; 150(12):5408-17	
	C24	JABARA et al., "Induction of germ-line and mature C epsilon transcripts in human B cells stimulated with rIL-4 and EBV," <i>J Immunol.</i> 145(10):3468-73 (Nov. 1990)	
	C25	JARDIEU, "Anti-IgE Therapy," <i>Current Op. Immunol.</i> , 7:779-782 (1995)	
	C26	KAWAGUCHI, et al., "Expression of Fas-estrogen Receptor Fusion Protein Induces Cell Death in pancreatic Cancer Cell Lines," <i>Cancer Lett.</i> , 116:53-59 (1997)	
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	C29	KUMAR, et al., "Human BCGF-12kD Functions as an Autocrine Growth Factor in Transformed B Cells," <i>Eur Cytokine Netw</i> 1(2):109 (1990)	
	C30	LOH, R.K.S., et al., "Role of protein tyrosine kinases in CD40/interleukin-4-mediated isotype switching to IgE," <i>J. Allergy Clin. Immunol.</i> 1994 Vol. 94(4):784-792	
	C31	LOH, R.K.S., et al., "Mechanisms of inhibition of IgE synthesis by nedocromil sodium: Nedocromil sodium inhibits deleterious switch recombination in human B cells," <i>J. Allergy Clin. Immunol.</i> 1996 Vol. 97(5):1141-1150	
	C32	LUO et al., "In vitro IgE production by interleukin 4-stimulated human peripheral blood mononuclear cells is suppressed by rapamycin," <i>Clin Immunol Immunopathol</i> 62(3):410-420 (Dec 1991)	
	C33	MARES, et al., "A Chimera Between platelet-Derived Growth Factor β -Receptor and Fibroblast Growth Factor Receptor-1 Stimulates Pancreatic β -Cell DNA Synthesis in the Presence of PDGF-BB," <i>Growth Factors</i> , 6(2):93-101 (1992)	

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	C34	MCBRATNEY, et al., "Internal Initiation of Translation," <i>Current Opinion in Cell Biology</i> , 5:961-965 (1993)	
	C35	MURUVA, et al., "Adenovirus-Mediated Expression of Fas Ligand Induces Hepatic Apoptosis after Systemic Administration and Apoptosis of <i>Ex Vivo</i> -Infected Pancreatic Islet Allografts and Isografts," <i>Hum Gene Ther</i> , 8(8):955 (May 1997)	
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	C39	QIU et al., "Human IgE mRNA expression by peripheral blood lymphocytes stimulated with interleukin 4 and pokeweed mitogen," <i>Eur J Immunol</i> 20(10):2191-2199 (Oct 1990)	
	C40	ROTHMAN et al., "Identification of a conserved lipopolysaccharide-plus-interleukin-1-responsive element located at the promoter of germ line epsilon transcripts," <i>Mol Cell Biol</i> 11(11):5551-5561 (Nov 1991)	
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	C42	RUDERT, et al., "Apoptosis through CD95 (Fas/APO-1), but Not a CD40/CD 95 Cjo, eroc Receptor, Is Inhibited by phorbol-12-Myristate-13-Acetate," <i>DNA Cell Biol</i> , 16(2):197-205 (1997)	
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	C45	SEEDORF, et al., "Analysis of Platelet-derived Growth Factor Receptor Domain Function Using a novel Chimeric Receptor Approach," <i>J Biol Chem</i> , 266(19):12424-12431 (1991)	
	C46	SHIELDS et al., "Inhibition of Allergic Reactions with Antibodies to IgE," <i>Int. Arch. Allergy Immunol</i> . 107:308-312 (1995)	
	C47	STARLING, G.C., "Identification of Amino Acid Residues Important for Ligant Binding to FAS," <i>J. Exp. Med.</i> 1997 Vol. 185(8):1487-1492	
	C48	STONE, R., "Molecular 'Surgery' For Brain Tumors," <i>Science</i> , 256:1513 (1992)	
	C49	TAKAHASI, et al., "Swapping Between Fas and Granulocyte Colony-stimulating Factor Receptor," <i>J Biol Chem</i> . 271(29):17555-17560 (1996)	
	C50	TAKEBAYASHI, et al., "Hormone-induced Apoptosis by Fas-Nuclear Receptor Fusion Proteins: Novel Biological Tools for Controlling Apoptosis <i>In Vivo</i> ," <i>Cancer Res.</i> , 56(18):4164-4170 (1996)	
	C51	VERCELLI, D. et al., "To E or not to E?," <i>Int. Arch. Allergy Immunol.</i> , 116:1-4 (1998)	

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